







Report Purpose

- Promote understanding of flood problems statewide
- Make recommendations for managing flood risk
- Guide decisions about:
 - Policies
 - Financial investments









California's Flood Future Report

- Understanding the Situation
- The Problem
- The Solution
- Seven Recommendations

PUBLIC SAFETY

Path Forward









ECONOMIC STABILITY



California's Flood Future Schedule

Draft Documents Released

California's Flood Future
 Highlights: December 2012

 California's Flood Future Report: March 2013

Technical Memoranda: January 2013



















California is at risk for catastrophic flooding

- 1 in 5 Californians are exposed to flooding
- More than \$580 B in assets are exposed to flooding
- Major flooding in all counties
- Flood insurance policyholders have tripled since 1982









The impacts of a major flood would be devastating to California and to the nation

- Millions of citizens, homes, businesses can be flooded
- Critical infrastructure could be out of service for long periods of time
- Vital services could become isolated or closed
- Water supplies and water quality can be affected
- Vast areas of agriculture lands can be flooded









The many types of flooding require regional solutions











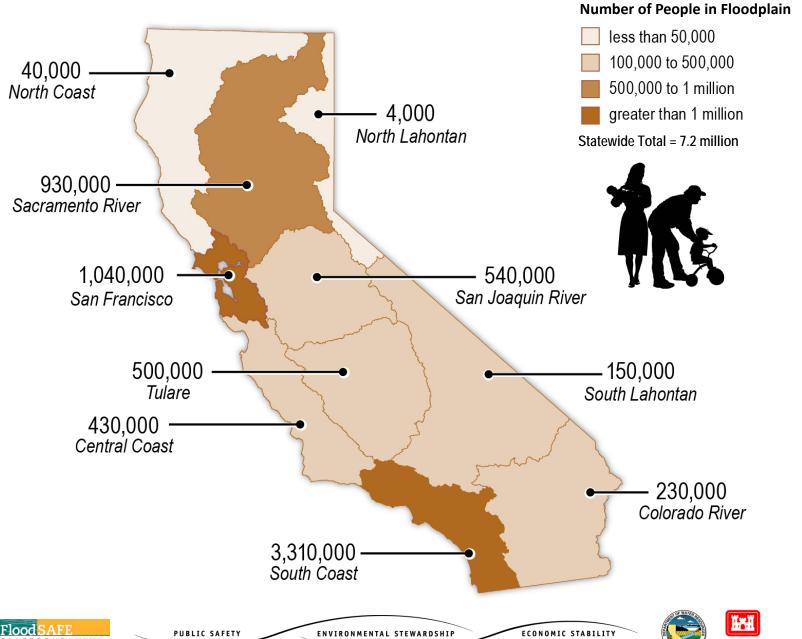








7.2 million Californians live in floodplains

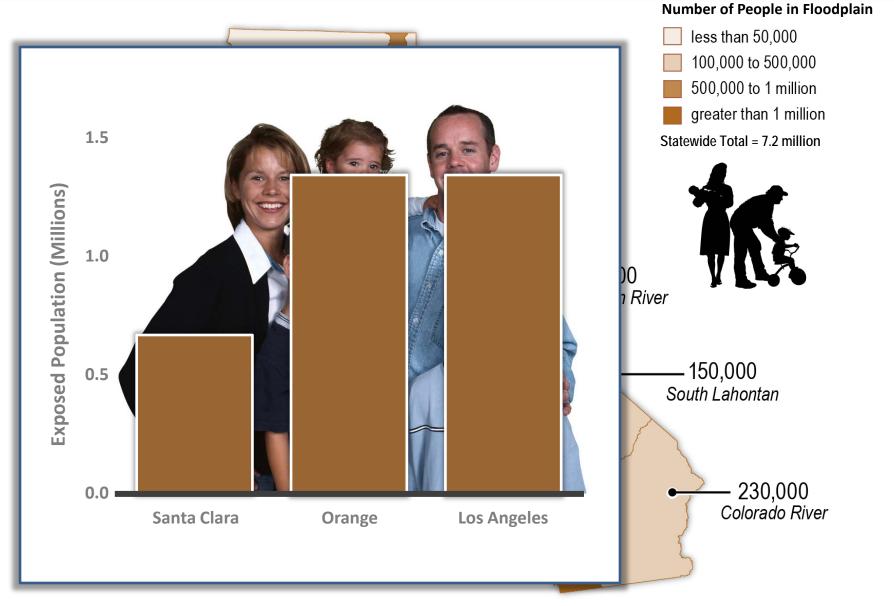








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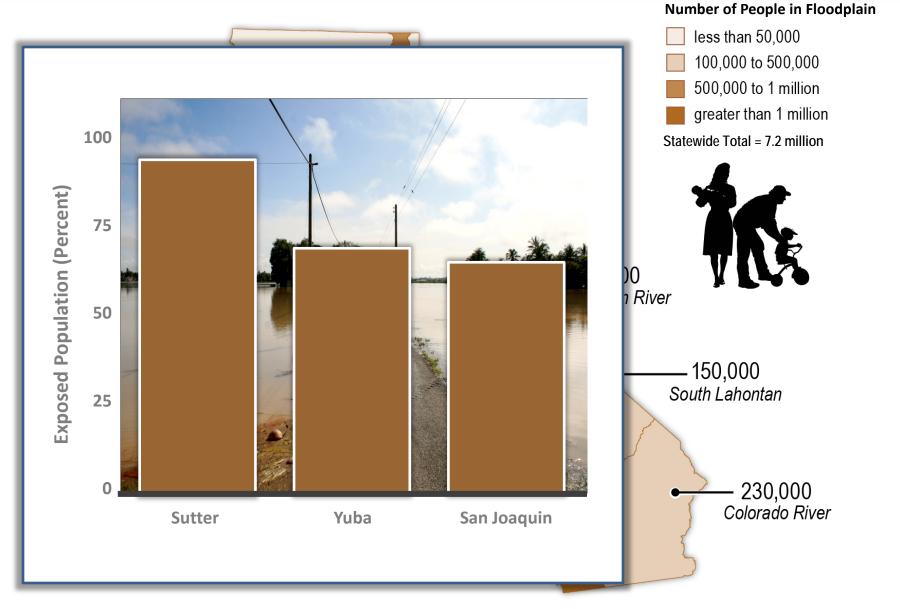
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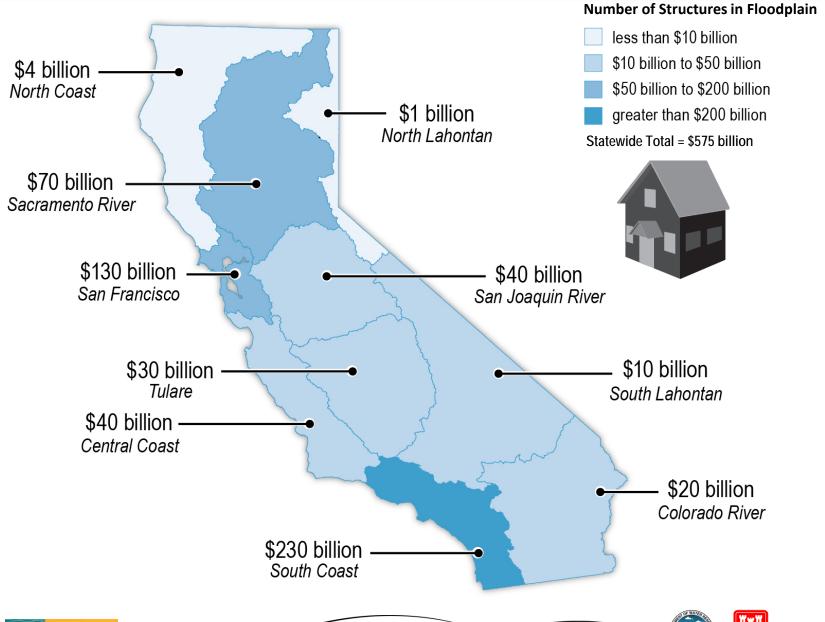








\$575 billion in structures are at risk



ENVIRONMENTAL STEWARDSHI



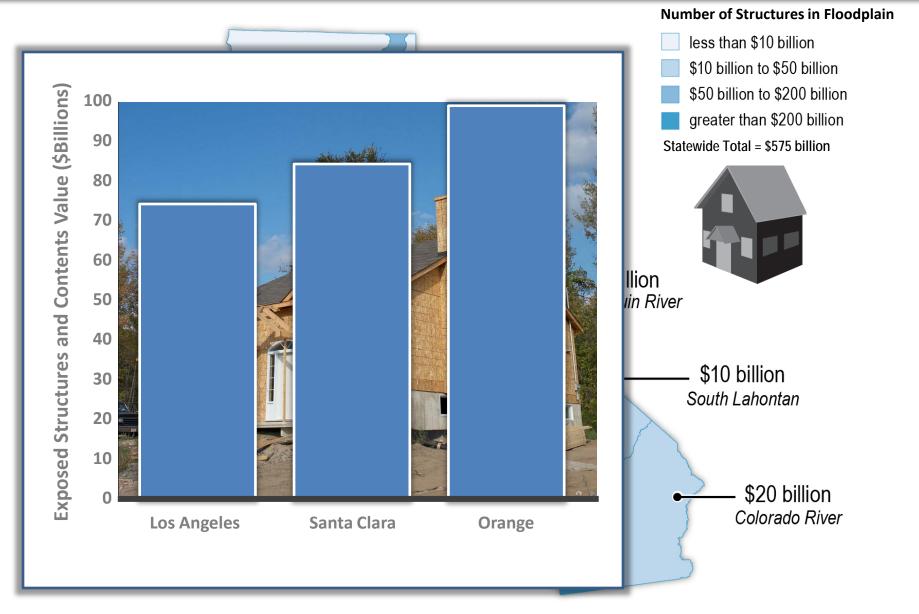
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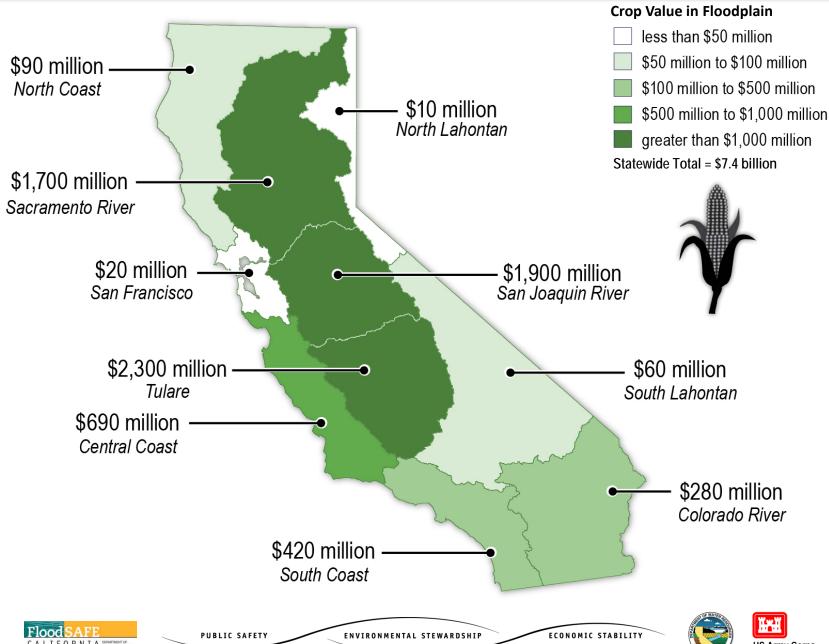








California's agricultural economy is at risk

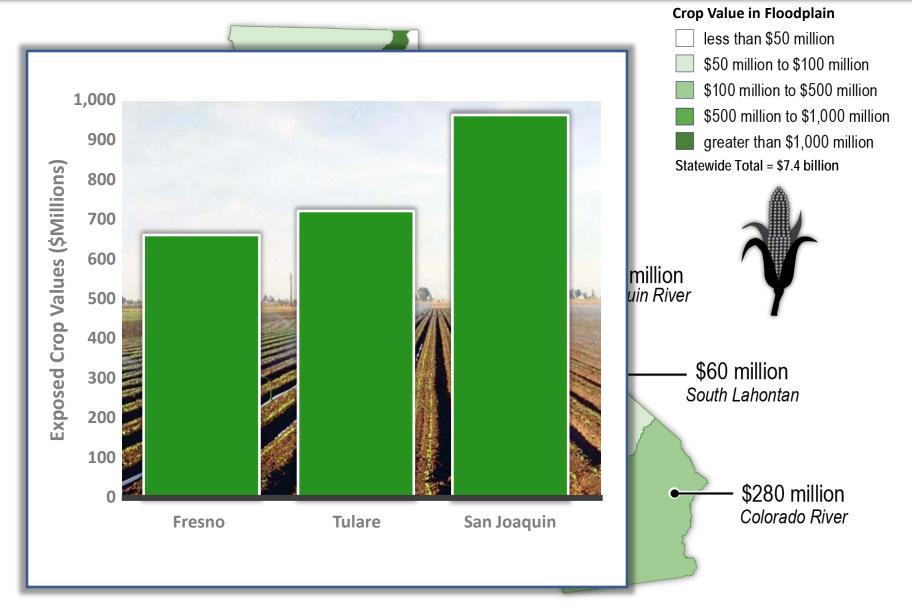








California's agricultural economy is at risk



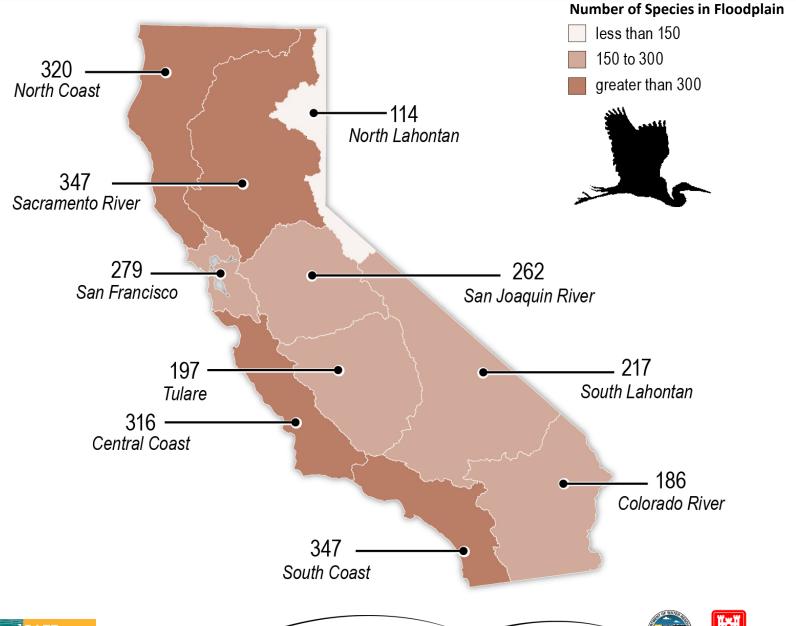








Sensitive species live in floodplains



ENVIRONMENTAL STEWARDSHIP



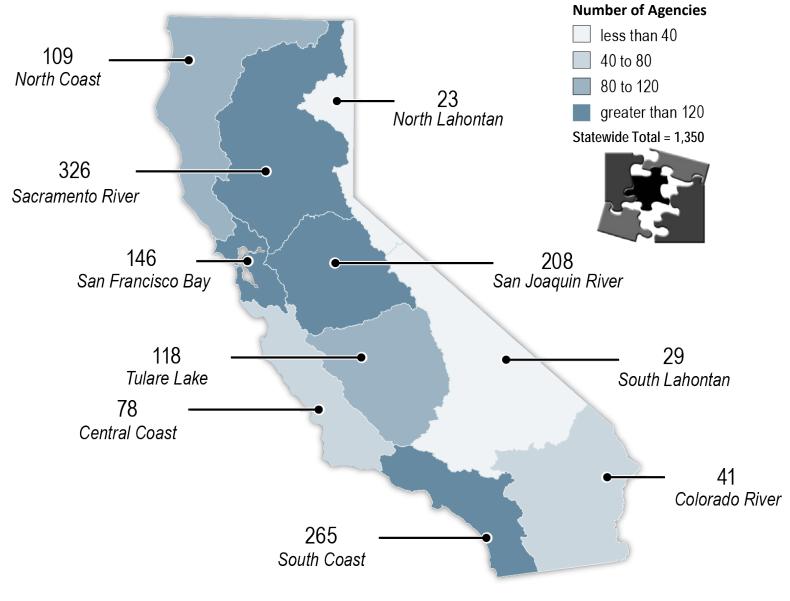
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Flood management authority is complex and fragmented











Flood infrastructure does not meet current and future needs

- -Complex array of existing infrastructure
- -900 plus projects identified
- 20% do not have cost estimates
- \$30 to \$50 billion improvements and projects
- Will not provide a 100-year level of protection statewide













Flood funding is limited and unreliable

- Inconsistent and insufficient funding
- Declining local resources
- Reduced Federal cost shares
- Challenging revenue structure
- Cost of flood management misunderstood by public and policy makers















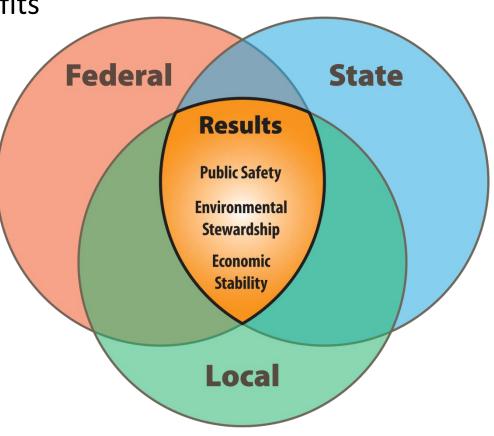




Flood Management using an Integrated Water Management approach

High value, multiple benefits

- Large range of solutions
- Collaboration and cooperation
- Regional and systemwide approach
- Broader array of funding sources



ECONOMIC STABILITY







Recommendations for managing California's flood risk

Tools Results **Plans Actions** 1) Risk 4) Land Use 6) Alignment IWM Benefits Assessments **Planning** - Public Safety -Governance 5) Regional, 2) Flood Risk Policies - Environmental Systemwide, **Awareness** Stewardship Investment and Statewide 3) Flood Readiness Priorities - Economic Stability **Planning** Infrastructure and Innovation 7) Funding -- Sufficient and Stable Funding



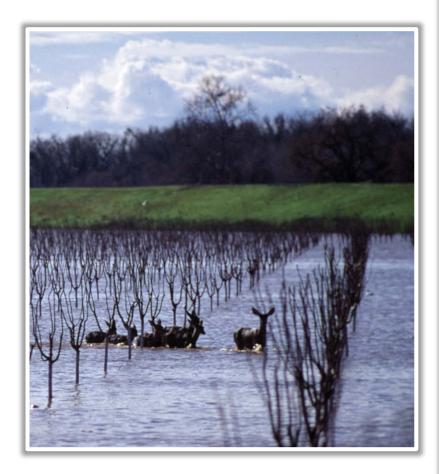






Recommendation 1

Conduct regional flood risk assessments to understand statewide flood risk





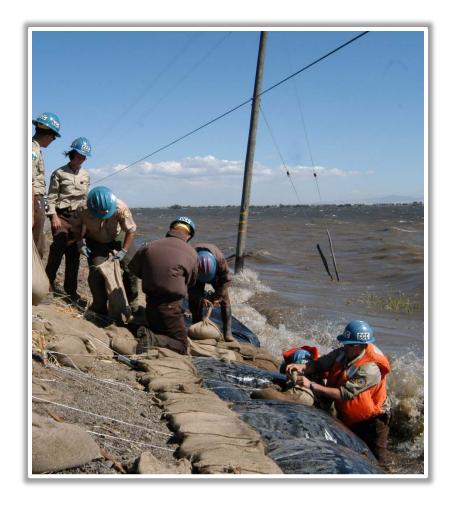


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Recommendations 2 and 3

- 2. Increase public and policy maker awareness about flood risks to facilitate informed decisions
- 3. Increase support for flood emergency preparedness, response, and recovery programs to reduce flood impacts





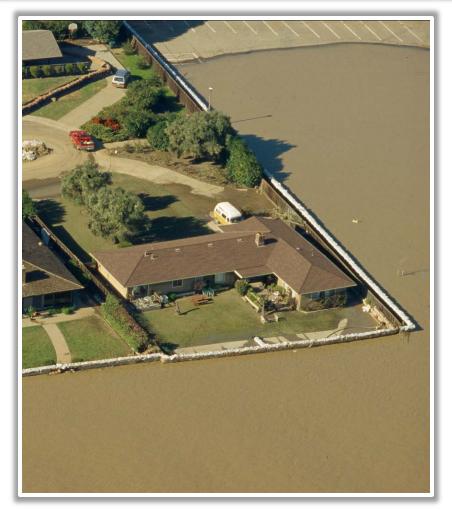






Recommendations 4 and 5

- 3. Encourage land-use planning practices that reduce the consequences of flooding
- 4. Conduct flood
 management from
 regional, systemwide,
 and statewide
 perspectives to provide
 multiple benefits









Recommendations 6 and 7

 Increase collaboration among public agencies to improve flood management planning, policies, and investments

7. Establish sufficient and stable funding mechanisms to reduce flood risk









We Must Take Action Now

California's future depends on:

- Agencies at all levels working together
- Implementing policies and projects using an IWM approach
- Stakeholder and policymaker awareness of the cost and consequences of flooding
- Establishing investment priorities and sufficient and stable funding

Short-term and long-term solutions are necessary

















Flood Management in CWP 2013

Highlights

Volume 1: Strategic Vision--Eight Chapters

1. Overview

- 5. Managing an Uncertain Future
- 2. California Water Today 6. Integrated Data and Analysis
- 3. Imperative to Invest 7. Finance Planning Framework
- 4. Companion Plans
- 8. Implementation Plan

Volume 2: Flood Content in each Regional Report

Volume 3: Flood Management Resource Management Strategy









Understanding the Situation

- Joint Letter
- California is at risk
- Impacts would be devastating
- We must take action now
- Short-Term and long-term solutions are necessary
- Flood Mgmt using an IWM approach

- Chap 3,5, and 7
- Chap 2 and 3
- Chap 2 and 3
- Chap 1,3 and 7
- Chap 8
- Chap 1 and 2













Understanding the situation

- 142 Local Agencies speak
 Out
- Flooding in California
- Flood Basics
- Variable Flood conditions require regional approaches

- Chap 2 and 3
- Chap 2,3, and 7
- Chap 5
- Chap 2 and 3











The Problem

- Flood Exposure Maps
 - People, Structures,
 Agriculture, and Environment
- Responsibilities are complex
- Infrastructure does not meet needs
- Funding

- Chap 2
- Chap 3
- Chap 3
- Chap 3 and 7











The Solution

- Solutions must use an IWM Approach
- Recommendations: Tools,
 Plans, Actions, Results
- Seven Recommendations
- Path Forward

- Chap 1 and 3
- Chap 8
- Chap 8
- Chap 8













California's future depends on elected officials, stakeholders, and agencies at every level of government working together to improve public safety, environmental stewardship, and economic stability.

Tools

Plans

Actions

Results

- ✓ Public Safety
- ✓ Environmental Stewardship
- ✓ Economic Stability











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